

**Commonwealth of Kentucky  
Environmental and Public Protection Cabinet  
Department for Environmental Protection  
Division for Air Quality  
803 Schenkel Lane  
Frankfort, Kentucky 40601  
(502) 573-3382**

**AIR QUALITY PERMIT  
Issued under 401 KAR 52:040**

**Permittee Name:** Siemer Milling Company

**Mailing Address:** P.O. Box 670  
Teutopolis, Illinois 62467

**Source Name:** Siemer Milling Company  
**Mailing Address:** Same as above

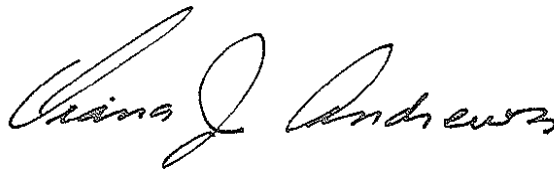
**Source Location:** 2005 South Walnut Street  
Hopkinsville, KY 42240

**Permit Number:** S-08-007  
**Source A. I. #:** 768  
**Activity #:** APE20070001  
**Review Type:** Construction/Operating  
**Source ID #:** 21-047-00007

**Regional Office:** Paducah Regional Office  
130 Eagle Nest Drive  
Paducah, KY 42003-0823  
(270) 898-8468

**County:** Christian

**Application**  
**Complete Date:** January 28, 2008  
**Issuance Date:** May 29, 2008  
**Revision Date:** N/A  
**Expiration Date:** May 29, 2018



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**John S. Lyons, Director  
Division for Air Quality**

## **SECTION A - PERMIT AUTHORIZATION**

Pursuant to a duly submitted application, which was determined to be complete on January 28, 2008, the Kentucky Division for Air Quality hereby authorizes the construction and operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify an affected facility without first having submitted a complete application and receiving a permit for the planned activity from the Division, except as provided in this permit or in Regulation 401 KAR 52:040, State-origin permits.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining other permits, licenses, or approvals that may be required by the Cabinet or other federal, state, or local agency.

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS**

- 01      (-)            Headhouse and Internal Handling**  
**(maximum rated capacity – 7.98 tons/hour)**  
**(control: baghouse)**

**Corn Mill:**

- 02      (-)            Sifter**  
**(maximum rated capacity – 7.98 tons/hour)**  
**(control: baghouse-6 – Carter Day – 144 bags)**
- (-)            Sifter**  
**(maximum rated capacity – 7.98 tons/hour)**  
**(control: baghouse-6 – Carter Day – 144 bags)**
- (-)            Roller Mill**  
**(maximum rated capacity – 7.98 tons/hour)**  
**(control: baghouse-5 – Boone – 60 bags)**
- (-)            Roller Mill**  
**(maximum rated capacity – 7.98 tons/hour)**  
**(control: baghouse-5 – Boone – 60 bags)**
- (-)            Roller Mill**  
**(maximum rated capacity – 7.98 tons/hour)**  
**(control: baghouse-5 – Boone – 60 bags)**
- (-)            Storage Bin (finished product)**  
**(maximum rated capacity – 7.98 tons/hour)**  
**(control: B.V. 1 – 16 bags)**
- (-)            Storage Bin (finished product)**  
**(maximum rated capacity – 7.98 tons/hour)**  
**(control: B.V. 1 – 16 bags)**
- (-)            Storage Bin (finished product)**  
**(maximum rated capacity – 7.98 tons/hour)**  
**(control: B.V. 1 – 16 bags)**
- (-)            Bagging**  
**(maximum rated capacity – 7.98 tons/hour)**  
**(control: baghouse-10 – Boone – 25 bags)**
- (-)            Storage Bin (grits, 30,000 lbs)**  
**(maximum rated capacity – 7.98 tons/hour)**  
**(control: B.V.2 – Boone – 25 bags)**

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)****Corn Mill (continued):**

- 02      (-)      Storage Bin (grits, 30,000 lbs)  
(maximum rated capacity – 7.98 tons/hour)  
(control: fabric filter)
- (-)      Storage Bin (grits, 30,000 lbs)  
(maximum rated capacity – 7.98 tons/hour)  
(control: fabric filter)
- (-)      Meal Feeder Tank (5,000 lbs)  
(maximum rated capacity – 7.98 tons/hour)  
(control: baghouse-6 – Carter Day – 144 bags)
- (-)      Corn Flour Tank  
(maximum rated capacity – 7.98 tons/hour)  
(control: B.V.2 – Boone – 25 bags)
- (-)      Corn Flour Tank  
(maximum rated capacity – 7.98 tons/hour)  
(control: B.V.2 – Boone – 25 bags)

**Wheat Flour Mill:**

- 03      (-)      Wheat Mill Sifter  
(maximum rated capacity – 4.25 tons/hour)  
(control: baghouse-11 – Boone – 60 bags)
- (-)      Wheat Mill Sifter  
(maximum rated capacity – 4.25 tons/hour)  
(control: baghouse-11 – Boone – 60 bags)
- (-)      Wheat Mill Sifter  
(maximum rated capacity – 4.25 tons/hour)  
(control: baghouse-11 – Boone – 60 bags)
- (-)      Wheat Mill Sifter  
(maximum rated capacity – 4.25 tons/hour)  
(control: baghouse-11 – Boone – 60 bags)
- (-)      Wheat Mill Sifter  
(maximum rated capacity – 4.25 tons/hour)  
(control: baghouse-11 – Boone – 60 bags)

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)****Wheat Flour Mill (continued):**

- 03      (-)      Storage Bin (525 bushels, wheat holding bin)  
(maximum rated capacity – 4.25 tons/hour)  
(control: fabric filter)
- (-)      Storage Bin (525 bushels, wheat holding bin)  
(maximum rated capacity – 4.25 tons/hour)  
(control: fabric filter)
- (-)      Storage Bin (525 bushels, wheat holding bin)  
(maximum rated capacity – 4.25 tons/hour)  
(control: fabric filter)
- (-)      Storage Bin (525 bushels, wheat holding bin)  
(maximum rated capacity – 4.25 tons/hour)  
(control: fabric filter)
- (-)      Storage Bin (525 bushels, wheat holding bin)  
(maximum rated capacity – 4.25 tons/hour)  
(control: fabric filter)
- (-)      Storage Bin (525 bushels, wheat holding bin)  
(maximum rated capacity – 4.25 tons/hour)  
(control: fabric filter)
- (-)      Storage Bin (50 bushels, wheat holding bin)  
(maximum rated capacity – 4.25 tons/hour)  
(control: fabric filter)
- (-)      Storage Bin (finished product)  
(maximum rated capacity – 4.25 tons/hour)  
(control: fabric filter)
- (-)      Storage Bin – low grade tank (finished product, 13,500 lbs)  
(maximum rated capacity – 4.25 tons/hour)  
(control: fabric filter)
- (-)      Storage Bin – low grade tank (finished product, 16,500 lbs)  
(maximum rated capacity – 4.25 tons/hour)  
(control: fabric filter)
- (-)      Storage Bin – low grade tank (finished product, 16,550 lbs)  
(maximum rated capacity – 4.25 tons/hour)  
(control: fabric filter)

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)****Wheat Flour Mill (continued):**

- 03      (-)      Storage Bin – Pat. flour tank (finished product, 45,000 lbs)  
(maximum rated capacity – 4.25 tons/hour)  
(control: B.V. 3 – Boone –25 bags)
- (-)      Storage Bin – Pat. Flour tank (finished product, 45,000 lbs)  
(maximum rated capacity – 4.25 tons/hour)  
(control: B.V. 3 – Boone –25 bags)
- (-)      Storage Bin – S.R. Flour tank (finished product, 45,000 lbs)  
(maximum rated capacity – 4.25 tons/hour)  
(control: B.V. 4 – Boone –25 bags)
- (-)      Storage Bin – Royal Flour Tank (finished product, 45,000 lbs)  
(maximum rated capacity – 4.25 tons/hour)  
(control: B.V. 4 – Boone –25 bags)
- (-)      Storage Bin – Bulk Flour Tank (finished product, 45,000 lbs)  
(maximum rated capacity – 4.25 tons/hour)  
(control: B.V. 4 – Boone –25 bags)
- (-)      Storage Bin – premix tank (finished product, 40,000 lbs)  
(maximum rated capacity – 4.25 tons/hour)  
(control: B.V. 4 – Boone –25 bags)

**Packing System:**

- 04      (-)      Bin (5 lbs packer tank, 4,000 lbs)  
(maximum rated capacity – 4.25 tons/hour)  
(control: baghouse-10 – Boone – 25 bags)
- (-)      Bin (2 lbs packer tank, 7,000 lbs)  
(maximum rated capacity – 4.25 tons/hour)  
(control: baghouse-10 – Boone – 25 bags)

**APPLICABLE REGULATIONS:**

State Regulation 401 KAR 61:020, Existing process operations, applies to each of the affected facilities listed above. (Emission points 01, 02, 03 and 04)

**1.      Operating Limitations:**

N/A

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)****2. Emission Limitations:**

The Division for Air Quality has determined that this facility's potential to emit any air pollutant is less than 100 tons per year. Therefore, although the permit is conditioned to allow emissions in excess of 100 tons per year pursuant to federally enforceable Regulation KAR 61:020, Existing process operations, emissions equal to or in excess of 100 tons per year of any pollutant are not possible. Accordingly, this permit is being issued as a minor source state-origin permit.

- a. Pursuant to Regulation 401 KAR 61:020, Section 3(2)(a), the emissions of particulate matter for each respective emission point shall not exceed the allowable rate limit as calculated by one of the following equations using the process weight rate (in units of tons/hr).

For process rates up to 60,000 lbs/hr:  $E = 4.10P^{0.67}$

For process rates in excess of 60,000 lbs/hr:  $E = 55.0P^{0.11} - 40$

For the equation, E = rate of emission in lbs/hr and P = process weight rate in tons/hr

1. Combined emissions of particulate matter from the Headhouse and Internal Handling [emission point 01 (-)] shall not exceed 16.49 lbs/hr.
2. Combined emissions of particulate matter from the Sifter [emission point 02 (-)] shall not exceed 16.49 lbs/hr.
3. Combined emissions of particulate matter from the Sifter [emission point 02 (-)] shall not exceed 16.49 lbs/hr.
4. Combined emissions of particulate matter from the Roller Mill [emission point 02 (-)] shall not exceed 16.49 lbs/hr.
5. Combined emissions of particulate matter from the Roller Mill [emission point 02 (-)] shall not exceed 16.49 lbs/hr.
6. Combined emissions of particulate matter from the Roller Mill [emission point 02 (-)] shall not exceed 16.49 lbs/hr.
7. Combined emissions of particulate matter from the Storage Bin [emission point 02 (-)] shall not exceed 16.49 lbs/hr.
8. Combined emissions of particulate matter from the Storage Bin [emission point 02 (-)] shall not exceed 16.49 lbs/hr.
9. Combined emissions of particulate matter from the Storage Bin [emission point 02 (-)] shall not exceed 16.49 lbs/hr.

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**2. Emission Limitations (continued):**

10. Combined emissions of particulate matter from the Bagging [emission point 02 (-)] shall not exceed 16.49 lbs/hr.
11. Combined emissions of particulate matter from the Storage Bin [emission point 02 (-)] shall not exceed 16.49 lbs/hr.
12. Combined emissions of particulate matter from the Storage Bin [emission point 02 (-)] shall not exceed 16.49 lbs/hr.
13. Combined emissions of particulate matter from the Storage Bin [emission point 02 (-)] shall not exceed 16.49 lbs/hr.
14. Combined emissions of particulate matter from the Meal Feeder Tank [emission point 02 (-)] shall not exceed 16.49 lbs/hr.
15. Combined emissions of particulate matter from the Corn Flour Tank [emission point 02 (-)] shall not exceed 16.49 lbs/hr.
16. Combined emissions of particulate matter from the Corn Flour Tank [emission point 02 (-)] shall not exceed 16.49 lbs/hr.
17. Combined emissions of particulate matter from the Wheat Mill Sifter [emission point 03 (-)] shall not exceed 10.81 lbs/hr.
18. Combined emissions of particulate matter from the Wheat Mill Sifter [emission point 03 (-)] shall not exceed 10.81 lbs/hr.
19. Combined emissions of particulate matter from the Wheat Mill Sifter [emission point 03 (-)] shall not exceed 10.81 lbs/hr.
20. Combined emissions of particulate matter from the Wheat Mill Sifter [emission point 03 (-)] shall not exceed 10.81 lbs/hr.
21. Combined emissions of particulate matter from the Wheat Mill Sifter [emission point 03 (-)] shall not exceed 10.81 lbs/hr.
22. Combined emissions of particulate matter from the Storage Bin [emission point 03 (-)] shall not exceed 10.81 lbs/hr.
23. Combined emissions of particulate matter from the Storage Bin [emission point 03 (-)] shall not exceed 10.81 lbs/hr.
24. Combined emissions of particulate matter from the Storage Bin [emission point 03 (-)] shall not exceed 10.81 lbs/hr.



**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**2. Emission Limitations (continued):**

25. Combined emissions of particulate matter from the Storage Bin [emission point 03 (-)] shall not exceed 10.81 lbs/hr.
26. Combined emissions of particulate matter from the Storage Bin [emission point 03 (-)] shall not exceed 10.81 lbs/hr.
27. Combined emissions of particulate matter from the Storage Bin [emission point 03 (-)] shall not exceed 10.81 lbs/hr.
28. Combined emissions of particulate matter from the Storage Bin [emission point 03 (-)] shall not exceed 10.81 lbs/hr.
29. Combined emissions of particulate matter from the Storage Bin [emission point 03 (-)] shall not exceed 10.81 lbs/hr.
30. Combined emissions of particulate matter from the Storage Bin [emission point 03 (-)] shall not exceed 10.81 lbs/hr.
31. Combined emissions of particulate matter from the Storage Bin [emission point 03 (-)] shall not exceed 10.81 lbs/hr.
32. Combined emissions of particulate matter from the Storage Bin [emission point 03 (-)] shall not exceed 10.81 lbs/hr.
33. Combined emissions of particulate matter from the Storage Bin [emission point 03 (-)] shall not exceed 10.81 lbs/hr.
34. Combined emissions of particulate matter from the Storage Bin [emission point 03 (-)] shall not exceed 10.81 lbs/hr.
35. Combined emissions of particulate matter from the Storage Bin [emission point 03 (-)] shall not exceed 10.81 lbs/hr.
36. Combined emissions of particulate matter from the Storage Bin [emission point 03 (-)] shall not exceed 10.81 lbs/hr.
37. Combined emissions of particulate matter from the Storage Bin [emission point 03 (-)] shall not exceed 10.81 lbs/hr.
38. Combined emissions of particulate matter from the Storage Bin [emission point 03 (-)] shall not exceed 10.81 lbs/hr.
39. Combined emissions of particulate matter from the Bin [emission point 04 (-)] shall not exceed 10.81 lbs/hr.

## **SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

### **2. Emission Limitations (continued):**

- 40. Combined emissions of particulate matter from the Bin [emission point 04 (-)] shall not exceed 10.81 lbs/hr.
- b. Pursuant to Regulation 401 KAR 61:020, Section 3(1)(a), opacity of visible emissions from each affected facility (Emission Point 01, 02, 03, and 04) shall not exceed forty percent (40%).

### **Compliance Demonstration Method:**

- a. Compliance with the hourly particulate emission limit shall be determined as follows:

Hourly Particulate Emission Rate =

[Monthly processing rate x Emission Factor as determined from the latest stack test / (Hours of operation per month)]

- b. EPA Reference Method 9 shall be used to determine opacity upon startup and shall be performed more often upon the Division's request. Compliance with the opacity standard shall be maintained by a daily observation of visible emissions during daylight hours.

### **3. Testing Requirements:**

N/A

### **4. Monitoring Requirements:**

See Section C, General Condition 6.a.

### **5. Recordkeeping Requirements:**

See Section C, General Conditions 2.a., 2.b., and 6.a.

### **6. Reporting Requirements:**

See Section C, General Conditions 3.a., 3.b., 3.c., and 6.b.

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

- 05      (-)            Headhouse and Internal Handling**  
**(maximum rated capacity – 87 tons/hour)**  
**(control: baghouse-2 –Carter Day – 24 bags)**

**Corn Mill:**

- 06      (-)            1-Aspirator**  
**(maximum rated capacity – 7.98 tons/hour)**  
**(control: baghouse-6 – Carter Day – 144 bags)**
- (-)            2-Aspirator**  
**(maximum rated capacity – 7.98 tons/hour)**  
**(control: baghouse-6 – Carter Day – 144 bags)**
- (-)            3-Aspirator**  
**(maximum rated capacity – 7.98 tons/hour)**  
**(control: baghouse-6 – Carter Day – 144 bags)**
- (-)            4-Aspirator**  
**(maximum rated capacity – 7.98 tons/hour)**  
**(control: baghouse-6 – Carter Day – 144 bags)**
- (-)            5-Aspirator**  
**(maximum rated capacity – 7.98 tons/hour)**  
**(control: baghouse-6 – Carter Day – 144 bags)**
- (-)            6-Aspirator**  
**(maximum rated capacity – 7.98 tons/hour)**  
**(control: baghouse-6 – Carter Day – 144 bags)**
- (-)            7-Aspirator**  
**(maximum rated capacity – 4.0 tons/hour)**  
**(control: baghouse-6 – Carter Day – 144 bags)**
- (-)            Corn Holding Bin (25 bushels)**  
**(maximum rated capacity – 7.98 tons/hour)**  
**(control: fabric filter)**
- (-)            Hominy Loadout Bin**  
**(maximum rated capacity – 7.98 tons/hour)**  
**(control: fabric filter)**

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

### Wheat Flour Mill:

- [illegible]

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)****Wheat Flour Mill (continued):**

- 07      (-)      **Roller Mill**  
(maximum rated capacity – 4.25 tons/hour)  
(control: baghouse-11 – Boone – 60 bags)
- (-)      **Roller Mill**  
(maximum rated capacity – 4.25 tons/hour)  
(control: baghouse-11 – Boone – 60 bags)
- (-)      **Storage Bin – 10 lbs. packer tank (finished product, 30,000 lbs)**  
(maximum rated capacity – 4.25 tons/hour)  
(control: baghouse-6 – Carter – 144 bags)
- (-)      **Bagging**  
(maximum rated capacity – 4.25 tons/hour)  
(control: baghouse-10 – Boone – 25 bags)
- (-)      **Loadout Bin (wheat midds)**  
(maximum rated capacity – 4.25 tons/hour)  
(control: fabric filter)
- (-)      **Loadout Bin (wheat midds)**  
(maximum rated capacity – 4.25 tons/hour)  
(control: fabric filter)
- (-)      **Loadout (wheat midds)**  
(maximum rated capacity – 4.25 tons/hour)  
(control: fabric filter)
- (-)      **Loadout (wheat midds)**  
(maximum rated capacity – 4.25 tons/hour)  
(control: fabric filter)

**Grain Elevator:**

- 08      (-)      **Bulk Grain Loadout (railcar/truck)**  
(maximum rated capacity – 87 tons/hour)  
(control: baghouse-1 - Carter Day – 75 bags)
- (-)      **Cleaner (corn)**  
(maximum rated capacity – 43.5 tons/hour)  
(control: baghouse-1 - Carter Day – 75 bags)
- (-)      **Aspirator**  
(maximum rated capacity – 43.5 tons/hour)  
(control: baghouse-1 - Carter Day – 75 bags)

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)****Grain Elevator (continued):**

- 08      (-)            Cleaner (wheat)  
                         (maximum rated capacity – 43.5 tons/hour)  
                         (control: baghouse-1 - Carter Day – 75 bags)
- (-)            Aspirator  
                         (maximum rated capacity – 43.5 tons/hour)  
                         (control: baghouse-1 – Carter Day – 75 bags)

**Packing System:**

- 09      (-)            Bin (25 lbs packer tank, 30,000 lbs)  
                         (maximum rated capacity – 4.25 tons/hour)  
                         (control: baghouse-8 – Boone – 25 bags)

**ADDITIONS:****Corn Mill:**

- 06      (-)            Corn Cleaner  
                         (maximum rated capacity – 7.98 tons/hour)  
                         (control: baghouse-4 –Carter Day - 24 bags)
- (-)            Corn Tempering  
                         (maximum rated capacity – 7.98 tons/hour)  
                         (control: baghouse-5 –Boone – 60 bags)
- (-)            Roller Mill  
                         (maximum rated capacity – 7.98 tons/hour)  
                         (control: baghouse-5 – Boone – 60 bags)

**Wheat Flour Mill:**

- 07      (-)            Wheat Separator (Camas International)  
                         (maximum rated capacity – 4.25 tons/hour)  
                         (control: baghouse-2 – Carter Day – 24 bags)
- (-)            Wheat Scour  
                         (maximum rated capacity – 4.25 tons/hour)  
                         (control: baghouse-2 – Carter Day – 24 bags)
- (-)            Aspirator  
                         (maximum rated capacity – 4.25 tons/hour)  
                         (control: baghouse-2 – Carter Day – 24 bags)

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)****ADDITIONS (continued):****Wheat Flour Mill (continued):**

- 07      (-)              **Surge Bin (325 bushels)**  
                                 (maximum rated capacity – 4.25 tons/hour)  
                                 (control: baghouse-2 – Carter Day – 24 bags)
- (-)              **Tempered**  
                                 (maximum rated capacity – 4.25 tons/hour)  
                                 (control: baghouse-2 – Carter Day – 24 bags)
- (-)              **Purifier**  
                                 (maximum rated capacity – 4.25 tons/hour)  
                                 (control: baghouse-3 – Carter Day – 24 bags)
- (-)              **Purifier**  
                                 (maximum rated capacity – 4.25 tons/hour)  
                                 (control: baghouse-3 – Carter Day – 24 bags)
- (-)              **Storage Bin – premix feeder tank (finished product, 20,000 lbs)**  
                                 (maximum rated capacity – 4.25 tons/hour)  
                                 (control: baghouse-6 – Carter – 144 bags)
- (-)              **Bran Duster**  
                                 (maximum rated capacity – 4.25 tons/hour)  
                                 (control: baghouse-11 – Boone – 60 bags)
- (-)              **Bran Duster**  
                                 (maximum rated capacity – 4.25 tons/hour)  
                                 (control: baghouse-11 – Boone – 60 bags)
- (-)              **Bran Duster**  
                                 (maximum rated capacity – 4.25 tons/hour)  
                                 (control: baghouse-11 – Boone – 60 bags)
- (-)              **Bran Duster**  
                                 (maximum rated capacity – 4.25 tons/hour)  
                                 (control: baghouse-11 – Boone – 60 bags)

**Grain Elevator:**

- 08      (-)              **Wheat Mill**  
                                 (maximum rated capacity – 4.25 tons/hour)  
                                 (control: baghouse-1 – Carter Day – 75 bags)

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)****ADDITIONS (continued):****Grain Elevator (continued):**

08      (-)              **Corn Mill**  
(maximum rated capacity – 7.98 tons/hour)  
(control: baghouse-1 – Carter Day – 75 bags)

**Packing System:**

09      (-)              **Packer**  
(maximum rated capacity – 12.23 tons/hour)  
(control: baghouse-10 – Boone – 25 bags)

**APPLICABLE REGULATIONS:**

State Regulation 401 KAR 59:010, New process operations, applies to each of the affected facilities listed above (Emission Points 05, 06, 07, 08, and 09).

1.      **Operating Limitations:**

N/A

2.      **Emission Limitations:**

The Division for Air Quality has determined that this facility's potential to emit any air pollutant is less than 100 tons per year. Therefore, although the permit is conditioned to allow emissions in excess of 100 tons per year pursuant to federally enforceable Regulation KAR 59:010, New process operations, emissions equal to or in excess of 100 tons per year of any pollutant are not possible. Accordingly, this permit is being issued as a minor source state-origin permit.

- a. Pursuant to Regulation 401 KAR 59:010, Section 3(2), the emissions of particulate matter for each respective emission point shall not exceed the allowable rate limit as calculated by one of the following equations using the process weight rate (in units of tons/hr).

For process rates up to 60,000 lbs/hr:  $E = 3.59P^{0.62}$

For process rates in excess of 60,000 lbs/hr:  $E = 17.31P^{0.16}$

For the equation, E = rate of emission in lbs/hr and P = process weight rate in tons/hr

1. Combined emissions of particulate matter from the Headhouse and Internal Handling [emission point 05 (-)] shall not exceed 35.37 lbs/hr.



**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**2. Emission Limitations (continued):**

2. Combined emissions of particulate matter from the 1-Aspirator [emission point 06 (-)] shall not exceed 13.01 lbs/hr.
3. Combined emissions of particulate matter from the 2-Aspirator [emission point 06 (-)] shall not exceed 13.01 lbs/hr.
4. Combined emissions of particulate matter from the 3-Aspirator [emission point 06 (-)] shall not exceed 13.01 lbs/hr.
5. Combined emissions of particulate matter from the 4-Aspirator [emission point 06 (-)] shall not exceed 13.01 lbs/hr.
6. Combined emissions of particulate matter from the 5-Aspirator [emission point 06 (-)] shall not exceed 13.01 lbs/hr.
7. Combined emissions of particulate matter from the 6-Aspirator [emission point 06 (-)] shall not exceed 13.01 lbs/hr.
8. Combined emissions of particulate matter from the 7-Aspirator [emission point 06 (-)] shall not exceed 8.48 lbs/hr.
9. Combined emissions of particulate matter from the Corn Holding Bin [emission point 06 (-)] shall not exceed 13.01 lbs/hr.
10. Combined emissions of particulate matter from the Hominy Loadout Bin [emission point 06 (-)] shall not exceed 13.01 lbs/hr.
11. Combined emissions of particulate matter from the Carter Day Millerator CPR1 [emission point 07 (-)] shall not exceed 8.80 lbs/hr.
12. Combined emissions of particulate matter from the Roller Mill [emission point 07 (-)] shall not exceed 8.80 lbs/hr.
13. Combined emissions of particulate matter from the Roller Mill [emission point 07 (-)] shall not exceed 8.80 lbs/hr.
14. Combined emissions of particulate matter from the Roller Mill [emission point 07 (-)] shall not exceed 8.80 lbs/hr.
15. Combined emissions of particulate matter from the Roller Mill [emission point 07 (-)] shall not exceed 8.80 lbs/hr.

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**2. Emission Limitations (continued):**

16. Combined emissions of particulate matter from the Roller Mill [emission point 07 (-)] shall not exceed 8.80 lbs/hr.
17. Combined emissions of particulate matter from the Roller Mill [emission point 07 (-)] shall not exceed 8.80 lbs/hr.
18. Combined emissions of particulate matter from the Roller Mill [emission point 07 (-)] shall not exceed 8.80 lbs/hr.
19. Combined emissions of particulate matter from the Roller Mill [emission point 07 (-)] shall not exceed 8.80 lbs/hr.
20. Combined emissions of particulate matter from the Roller Mill [emission point 07 (-)] shall not exceed 8.80 lbs/hr.
21. Combined emissions of particulate matter from the Roller Mill [emission point 07 (-)] shall not exceed 8.80 lbs/hr.
22. Combined emissions of particulate matter from the Roller Mill [emission point 07 (-)] shall not exceed 8.80 lbs/hr.
23. Combined emissions of particulate matter from the Roller Mill [emission point 07 (-)] shall not exceed 8.80 lbs/hr.
24. Combined emissions of particulate matter from the Storage Bin [emission point 07 (-)] shall not exceed 8.80 lbs/hr.
25. Combined emissions of particulate matter from the Bagging [emission point 07 (-)] shall not exceed 8.80 lbs/hr.
26. Combined emissions of particulate matter from the Loadout Bin [emission point 07 (-)] shall not exceed 8.80 lbs/hr.
27. Combined emissions of particulate matter from the Loadout Bin [emission point 07 (-)] shall not exceed 8.80 lbs/hr.
28. Combined emissions of particulate matter from the Loadout [emission point 07 (-)] shall not exceed 8.80 lbs/hr.
29. Combined emissions of particulate matter from the Loadout [emission point 07 (-)] shall not exceed 8.80 lbs/hr.
30. Combined emissions of particulate matter from the Bulk Grain Loadout [emission point 08 (-)] shall not exceed 35.37 lbs/hr.

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**2. Emission Limitations (continued):**

31. Combined emissions of particulate matter from the Cleaner (corn) [emission point 08 (-)] shall not exceed 31.66 lbs/hr.
32. Combined emissions of particulate matter from the Aspirator [emission point 08 (-)] shall not exceed 31.66 lbs/hr.
33. Combined emissions of particulate matter from the Cleaner (wheat) [emission point 08 (-)] shall not exceed 31.66 lbs/hr.
34. Combined emissions of particulate matter from the Aspirator [emission point 08 (-)] shall not exceed 31.66 lbs/hr.
35. Combined emissions of particulate matter from the Bin [emission point 09 (-)] shall not exceed 8.80 lbs/hr.
36. Combined emissions of particulate matter from the Corn Cleaner [emission point 06 (-)] shall not exceed 13.01 lbs/hr.
37. Combined emissions of particulate matter from the Corn Tempering [emission point 06 (-)] shall not exceed 13.01 lbs/hr.
38. Combined emissions of particulate matter from the Roller Mill [emission point 06 (-)] shall not exceed 13.01 lbs/hr.
39. Combined emissions of particulate matter from the Wheat Separator [emission point 07 (-)] shall not exceed 8.80 lbs/hr.
40. Combined emissions of particulate matter from the Wheat Scour [emission point 07 (-)] shall not exceed 8.80 lbs/hr.
41. Combined emissions of particulate matter from the Aspirator [emission point 07 (-)] shall not exceed 8.80 lbs/hr.
42. Combined emissions of particulate matter from the Surge Bin [emission point 07 (-)] shall not exceed 8.80 lbs/hr.
43. Combined emissions of particulate matter from the Tempered [emission point 07 (-)] shall not exceed 8.80 lbs/hr.
44. Combined emissions of particulate matter from the Purifier [emission point 07 (-)] shall not exceed 8.80 lbs/hr.
45. Combined emissions of particulate matter from the Purifier [emission point 07 (-)] shall not exceed 8.80 lbs/hr.

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)****2. Emission Limitations (continued):**

- 46. Combined emissions of particulate matter from the Storage Bin [emission point 07 (-)] shall not exceed 8.80 lbs/hr.
- 47. Combined emissions of particulate matter from the Bran Duster [emission point 07 (-)] shall not exceed 8.80 lbs/hr.
- 48. Combined emissions of particulate matter from the Bran Duster [emission point 07 (-)] shall not exceed 8.80 lbs/hr.
- 49. Combined emissions of particulate matter from the Bran Duster [emission point 07 (-)] shall not exceed 8.80 lbs/hr.
- 50. Combined emissions of particulate matter from the Bran Duster [emission point 07 (-)] shall not exceed 8.80 lbs/hr.
- 51. Combined emissions of particulate matter from the Wheat Mill [emission point 08 (-)] shall not exceed 8.80 lbs/hr.
- 52. Combined emissions of particulate matter from the Corn Mill [emission point 08 (-)] shall not exceed 13.01 lbs/hr.
- 53. Combined emissions of particulate matter from the Packer [emission point 09 (-)] shall not exceed 16.95 lbs/hr.
- b. Pursuant to Regulation 401 KAR 59:010, Section 3(1), opacity of visible emissions from each affected facility (Emission Points 05, 06, 07, 08, and 09) shall not exceed twenty percent (20%).

**Compliance Demonstration Method:**

- a. Compliance with the hourly particulate emission limit shall be determined as follows:  
  
Hourly Particulate Emission Rate =  
  
[Monthly processing rate x Emission Factor as determined from the latest stack test / (Hours of operation per month)]
- b. EPA Reference Method 9 shall be used to determine opacity upon startup and shall be performed more often upon the Division's request. Compliance with the opacity standard shall be maintained by a daily observation of visible emissions during daylight hours.
- c. See Section C., General Condition 6.a.

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**3. Testing Requirements:**

EPA Reference Method 9 shall be used to determine opacity and shall be performed upon the Division's request. Performance test/compliance demonstrations using Method 5 may be required upon the Division's request in order to show compliance with the particulate matter mass emission standard.

**4. Monitoring Requirements:**

See Section C, General Condition 6.a.

**5. Recordkeeping Requirements:**

See Section C, General Conditions 2.a., 2.b., and 6.a.

**6. Reporting Requirements:**

See Section C, General Conditions 3.a., 3.b., 3.c., 6.b., and 7.b.

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

- 10      (-)      **Receiving Pit (grain)**  
                         (maximum rated capacity – 87 tons/hour)  
                         (control: enclosed system)
- (-)      **Headhouse and Internal Handling**  
                         (maximum rated capacity – 87 tons/hour)  
                         (control: enclosed system)

**Grain Elevator:**

- 11      (-)      **Concrete Bin (wheat, 10,770 bushels)**  
                         (maximum rated capacity – 87 tons/hour)  
                         (control: enclosed system)
- (-)      **Concrete Bin (wheat, 10,770 bushels)**  
                         (maximum rated capacity – 87 tons/hour)  
                         (control: enclosed system)
- (-)      **Concrete Bin (wheat, 10,770 bushels)**  
                         (maximum rated capacity – 87 tons/hour)  
                         (control: enclosed system)
- (-)      **Concrete Bin (wheat, 10,770 bushels)**  
                         (maximum rated capacity – 87 tons/hour)  
                         (control: enclosed system)
- (-)      **Concrete Bin (wheat, 10,770 bushels)**  
                         (maximum rated capacity – 87 tons/hour)  
                         (control: enclosed system)
- (-)      **Concrete Bin (wheat, 10,770 bushels)**  
                         (maximum rated capacity – 87 tons/hour)  
                         (control: enclosed system)
- (-)      **Concrete Bin (wheat, 10,770 bushels)**  
                         (maximum rated capacity – 87 tons/hour)  
                         (control: enclosed system)
- (-)      **Concrete Bin (wheat, 10,770 bushels)**  
                         (maximum rated capacity – 87 tons/hour)  
                         (control: enclosed system)
- (-)      **Steel Bin (corn, 12,127 bushels)**  
                         (maximum rated capacity – 87 tons/hour)  
                         (control: enclosed system)

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)****Grain Elevator (continued):**

- 11      (-)      Steel Bin (corn, 12,127 bushels)  
(maximum rated capacity – 87 tons/hour)  
(control: enclosed system)
- (-)      Steel Bin (corn, 12,127 bushels)  
(maximum rated capacity – 87 tons/hour)  
(control: enclosed system)
- (-)      Steel Bin (corn, 12,127 bushels)  
(maximum rated capacity – 87 tons/hour)  
(control: enclosed system)
- (-)      Concrete Bin (29,100 bushels)  
(maximum rated capacity – 87 tons/hour)  
(control: enclosed system)
- (-)      Concrete Bin (29,100 bushels)  
(maximum rated capacity – 87 tons/hour)  
(control: enclosed system)
- (-)      Concrete Bin (29,100 bushels)  
(maximum rated capacity – 87 tons/hour)  
(control: enclosed system)
- (-)      Concrete Bin (29,100 bushels)  
(maximum rated capacity – 87 tons/hour)  
(control: enclosed system)
- (-)      Concrete Bin (29,100 bushels)  
(maximum rated capacity – 87 tons/hour)  
(control: enclosed system)
- (-)      Concrete Bin (12,100 bushels)  
(maximum rated capacity – 87 tons/hour)  
(control: enclosed system)
- (-)      Concrete Bin (3,399 bushels)  
(maximum rated capacity – 87 tons/hour)  
(control: enclosed system)

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)****Grain Elevator (continued):**

- 11      (-)      Concrete Bin (3,399 bushels)  
(maximum rated capacity – 87 tons/hour)  
(control: enclosed system)
- (-)      Concrete Bin (14,596 bushels)  
(maximum rated capacity – 87 tons/hour)  
(control: enclosed system)
- (-)      Concrete Bin (7,698 bushels)  
(maximum rated capacity – 87 tons/hour)  
(control: enclosed system)
- (-)      Screening Bin (6,085 bushels)  
(maximum rated capacity – 87 tons/hour)  
(control: enclosed system)
- (-)      Screening Bin (6,085 bushels)  
(maximum rated capacity – 87 tons/hour)  
(control: enclosed system)

**ADDITIONS:****Grain Elevator:**

- 11      (-)      Concrete Bin (wheat, 10,770 bushels)  
(maximum rated capacity – 87 tons/hour)  
(control: enclosed system)
- (-)      Concrete Bin (wheat, 10,770 bushels)  
(maximum rated capacity – 87 tons/hour)  
(control: enclosed system)
- (-)      Concrete Bin (wheat, 10,770 bushels)  
(maximum rated capacity – 87 tons/hour)  
(control: enclosed system)

**APPLICABLE REGULATIONS:**

State Regulation 401 KAR 60:005, Standards of performance for new stationary sources, which incorporates by reference 40 CFR 60.300 (40 CFR 60 Subpart DD - Standards of Performance for Grain Elevators), applies to each of the affected facilities listed above (Emission Points 10 and 11)



## **SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

### **1. Operating Limitations:**

#### **Modifications**

- a. The factor 6.5 shall be used in place of “annual asset guidelines repair allowance percentage,” to determine whether a capital expenditure as defined by 40 CFR 60 Subpart DD Section 60.2 has been made to an existing facility.
- b. The following physical changes or changes in the method of operation shall not by themselves be considered a modification of any existing facility:
  - 1) The addition of gravity loadout spouts to existing grain storage or grain transfer bins.
  - 2) The installation of automatic grain weighing scales.
  - 3) Replacement of motor and drive units driving existing grain handling equipment.
  - 4) The installation of permanent storage capacity with no increase in hourly grain handling capacity.

### **2. Emission Limitations:**

- a. Pursuant to 40 CFR 60 Subpart DD Section 60.302 (b), on and after the date on which the performance test required to be conducted by 40 CFR 60 Subpart DD Section 60.8 is completed, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any affected facility except a grain dryer any process emission which:
  - 1) Contains particulate matter in excess of 0.023 g/dscm (ca. 0.01 gr/dscf).
  - 2) Exhibits greater than 0 percent opacity.
- b. On and after the 60<sup>th</sup> day of achieving the maximum production rate at which the affected facility will be operated, but no later than 180 days after initial startup, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere any fugitive emission from:
  - 1) Any individual truck unloading station, railcar unloading station, or railcar loading station, which exhibits greater than 5 percent opacity.
  - 2) Any grain handling operation which exhibits greater than 0 percent opacity.
  - 3) Any truck loading station which exhibits greater than 10 percent opacity.
  - 4) Any barge or ship loading station which exhibits greater than 20 percent opacity.

## **SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

### **2. Emission Limitations (continued):**

- c. The owner or operator of any barge or ship unloading station shall operate as follows:
  - 1) The unloading leg shall be enclosed from the top (including the receiving hopper) to the center line of the bottom pulley and ventilation to a control device shall be maintained on both sides of the leg and the grain receiving hopper.
  - 2) The total rate of air ventilated shall be at least 32.1 actual cubic meters per cubic meter of grain handling capacity (ca. 40 ft<sup>3</sup>/bu).
  - 3) Rather than meet the requirements of paragraphs (d)(1) and (2) of this section the owner or operator may use other methods of emission control if it is demonstrated to the Administrator's satisfaction that they would reduce emissions of particulate matter to the same level or less.

#### ***Compliance Demonstration Method:***

EPA Reference Method 9 shall be used to determine opacity upon startup and shall be performed more often upon the Division's request. Compliance with the opacity standard shall be maintained by a daily observation of visible emissions during daylight hours.

See Section C, General Condition 6.a.

### **3. Testing Requirements:**

- a. In conducting the performance tests required in 40 CFR 60 Subpart DD Section 60.8, the owner or operator shall use as reference methods and procedures the test methods in appendix A of this part or other methods and procedures as specified in this section, except as provided in 40 CFR 60 Subpart DD Section 60.8(b). Acceptable alternative methods and procedures are given in paragraph (c) of the section.
- b. The owner or operator shall determine compliance with the particulate matter standards in 40 CFR 60 Subpart DD Section 60.302 as follows:
  - 1) Method 5 shall be used to determine the particulate matter concentration and the volumetric flow rate of the effluent gas. The sampling time and sample volume for each run shall be at least 60 minutes and 1.70 dscm (60 dscf). The probe and filter holder shall be operated without heaters.
  - 2) Method 2 shall be used to determine the ventilation volumetric flow rate.
  - 3) Method 9 and the procedures in 40 CFR 60 Subpart DD Section 60.11 shall be used to determine opacity.

**SECTION B - EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**3. Testing Requirements (continued):**

c. The owner or operator may use the following as alternatives to the reference methods and procedures specified in this section:

1) For Method 5, Method 17 may be used.

**4. Monitoring Requirements:**

See Section C, General Condition 6.a.

**5. Recordkeeping Requirements:**

See Section C, General Conditions 2.a., 2.b., and 6.a.

**6. Reporting Requirements:**

See Section C, General Conditions 3.a., 3.b., 3.c., 6.b., and 7.b.

**SECTION B - EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)****12 (-) Haul Road and Yard Area (paved)****APPLICABLE REGULATIONS:**

State Regulation 401 KAR 63:010, Fugitive Emissions, applies to each of the affected facilities listed above.

**1. Operating Limitations:**

N/A

**2. Emission Limitations:**

- a. The materials processed at each affected facility listed above shall be controlled with wet suppression, enclosures, and/or dust collection equipment so as to comply with the requirements specified in Regulation 401 KAR 63:010, Fugitive emissions, Section 3. Standards for fugitive emissions.
- b. Pursuant to Regulation 401 KAR 63:010, Section 3 (1), no person shall cause, suffer, or allow any material to be handled, processed, transported, or stored; a building or its appurtenances to be constructed, altered, repaired, or demolished, or a road to be used without taking reasonable precaution to prevent particulate matter from becoming airborne. Such reasonable precautions shall include, when applicable, but not limited to the following:
  - 1) Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads or the clearing of land;
  - 2) Application and maintenance of asphalt, oil, water, or suitable chemicals on roads, materials stockpiles, and other surfaces which can create airborne dusts;
  - 3) Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty materials, or the use of water sprays or other measures to suppress the dust emissions during handling. Adequate containment methods shall be employed during sandblasting or other similar operations.
  - 4) Covering, at all times when in motion, open bodied trucks transporting materials likely to become airborne;
  - 5) The maintenance of paved roadways in a clean condition;
  - 6) The prompt removal of earth or other material from a paved street which earth or other material has been transported thereto by trucking or earth moving equipment or erosion by water.
- c. Pursuant to Regulation 401 KAR 63:010, Section 3 (2), no person shall cause or permit the discharge of visible fugitive dust emissions beyond the lot line of the property on which the emissions originate.

## **SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

### **2. Emission Limitations (continued):**

- d. Pursuant to Regulation 401 KAR 63:010, Section 3 (3), when dust, fumes, gases, mist, odorous matter, vapors, or any combination thereof escape from a building or equipment in such a manner and amount as to cause a nuisance or to violate any administrative regulation, the Secretary may order that the building or equipment in which processing, handling and storage are done be tightly closed and ventilated in such a way that all air and gases and air or air-borne material leaving the building or equipment are treated by removal or destruction of air contaminants before discharge to the open air.
- e. Pursuant to Regulation 401 KAR 63:010, Section 4, Additional Requirements, in addition to the requirements of Section 3 of this regulation, the following shall apply:
  - 1) Pursuant to Regulation 401 KAR 63:010, Section 4 (1), open bodied trucks, operating outside company property, transporting materials likely to become airborne shall be covered at all times when in motion.
  - 2) Pursuant to Regulation 401 KAR 63:010, Section 4 (4), no one shall allow earth or other material being transported by truck or earth moving equipment to be deposited onto a paved street or roadway.

#### ***Compliance Demonstration Method:***

See Section C, General Condition 6.a.

### **3. Testing Requirements:**

N/A

### **4. Monitoring Requirements:**

See Section C, General Condition 6.a.

### **5. Recordkeeping Requirements:**

See Section C, General Conditions 2.a., 2.b., and 6.a.

### **6. Reporting Requirements:**

See Section C, General Conditions 3.a., 3.b., 3.c., and 6.b.

## SECTION C - GENERAL CONDITIONS

### 1. Administrative Requirements

- a. The permittee shall comply with all conditions of this permit. Noncompliance shall be a violation of State Regulation 401 KAR 52:040, Section 3(1)(b) and is grounds for enforcement action including but not limited to the termination, revocation and reissuance, or revision of this permit.
- b. This permit shall remain in effect for a fixed term of ten (10) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division. [401 KAR 52:040, Section 15]
- c. Any condition or portion of this permit, which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit. [Section 1a, 11 of the *Cabinet Provisions and Procedures for Issuing State-Origin Permits* incorporated by reference in 401 KAR 52:040 Section 23]
- d. Pursuant to materials incorporated by reference by 401 KAR 52:040, this permit may be revised, revoked, reopened, reissued, or terminated for cause. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance shall not stay any permit condition. [Section 1a, 4, 5, of the *Cabinet Provisions and Procedures for Issuing State-Origin Permits* incorporated by reference in 401 KAR 52:040 Section 23]
- e. This permit does not convey property rights or exclusive privileges. [Section 1a, 8 of the *Cabinet Provisions and Procedures for Issuing State-Origin Permits* incorporated by reference in 401 KAR 52:040 Section 23].
- f. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance. [401 KAR 52:040 Section 11(3)]
- g. This permit shall be subject to suspension at any time the permittee fails to pay all fees within 90 days after notification as specified in State Regulation 401 KAR 50:038, Air emissions fee. The permittee shall submit an annual emissions certification pursuant to 401 KAR 52:040, Section 20.
- h. All permits previously issued to this source, at this location, are hereby null and void.

**SECTION C - GENERAL CONDITIONS (CONTINUED)****2. Recordkeeping Requirements**

- a. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of at least five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality. [401 KAR 52:040 Section 3(1)(f) and Section 1b, IV. 2) of the *Cabinet Provisions and Procedures for Issuing State-Origin Permits* incorporated by reference in 401 KAR 52:040 Section 23]
- b. The permittee shall perform compliance certification and recordkeeping sufficient to assure compliance with the terms and conditions of the permit. Documents, including reports, shall be certified by a responsible official pursuant to State Regulation 401 KAR 52:040, Section 21.

**3. Reporting Requirements**

- a.
  - 1) In accordance with the provisions of State Regulation 401 KAR 50:055, Section 1, the permittee shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
    - a) When emissions during any planned shutdowns and ensuing startups will exceed the standards, notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
    - b) When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards, notification shall be made as promptly as possible by telephone (or other electronic media) and shall cause written notice upon request.
  - 2) The permittee shall promptly report deviations from permit requirements including those attributed to upset conditions [other than emission exceedances covered by Reporting Requirement condition 1 a) above], the probable cause of the deviation, and corrective or preventive measures taken; to the Regional Office listed on the front of this permit within 30 days. Other deviations from permit requirements shall be included in the semiannual report. [Section 1b, V. 3) of the *Cabinet Provisions and Procedures for Issuing State-Origin Permits* incorporated by reference in 401 KAR 52:040 Section 23]
- b. The permittee shall furnish information requested by the Cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or compliance with the permit. [Section 1a, 6 of the *Cabinet Provisions and Procedures for Issuing State-Origin Permits* incorporated by reference in 401 KAR 52:040 Section 23]

**SECTION C - GENERAL CONDITIONS (CONTINUED)****3. Reporting Requirements (Continued)**

- c. Summary reports of monitoring required by this permit shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation. The summary reports are due January 30th and July 30th of each year. All deviations from permit requirements shall be clearly identified in the reports. All reports shall be certified by a responsible official pursuant to 401 KAR 52:040, Section 21.

**4. Inspections**

In accordance with the requirements of State Regulation 401 KAR 52:040, Section 3(1)(f) the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times. Reasonable times are defined as during all hours of operation, during normal office hours, or during an emergency.

- a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation.
- b. To access and copy any records required by the permit.
- c. Inspect any facilities, equipment (including monitoring and pollution control equipment), practices, or operations required by the permit.
- d. Sample or monitor substances or parameters to assure compliance with the permit or any applicable requirements.

**5. Emergencies/Enforcement Provisions**

- a. The permittee shall not use as defense in an enforcement action, the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance. [Section 1a, 3 of the *Cabinet Provisions and Procedures for Issuing State-Origin Permits* incorporated by reference in 401 KAR 52:040 Section 23]
- b. An emergency shall constitute an affirmative defense to an action brought for the noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or relevant evidence that:
  - 1) An emergency occurred and the permittee can identify the cause of the emergency;
  - 2) The permitted facility was at the time being properly operated;
  - 3) During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit;



**SECTION C - GENERAL CONDITIONS (CONTINUED)****5. Emergencies/Enforcement Provisions (Continued)**

- b. 4) The permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division within two working days after the time when emission limitations were exceeded due to the emergency and included a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.
- c. Emergency provisions listed in General Condition E.2 are in addition to any emergency or upset provision contained in an applicable requirement. [401 KAR 52:040, Section 22(1)]
- d. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof. [401 KAR 52:040, Section 22(2)]

**6. Compliance**

- a. Periodic testing or instrumental or non-instrumental monitoring, which may consist of record keeping, shall be performed to the extent necessary to yield reliable data for purposes of demonstration of continuing compliance with the conditions of this permit. For the purpose of demonstration of continuing compliance, the following guidelines shall be followed:
  - 1) Pursuant to State Regulation 401 KAR 50:055, General compliance requirements, Section 2(5), all air pollution control equipment and all pollution control measures proposed by the application in response to which this permit is issued shall be in place, properly maintained, and in operation at any time an affected facility for which the equipment and measures are designed is operated, except as provided by State Regulation 401 KAR 50:055, Section 1.
  - 2) All the air pollution control systems shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers. A log shall be kept of all routine and non routine maintenance performed on each control device. Daily observations are required during daylight hours of all operations, control equipment and any visible emissions to determine whether conditions appear to be either normal or abnormal. If the operations, controls and/or emissions appear abnormal, the permittee must then comply with the requirements of Section C – General Conditions, 3.a.2), of this permit.
  - 3) A log of the monthly production rates shall be kept available at the facility. Compliance with the emission limits may be demonstrated by computer program (spread sheets), calculations or performance tests as may be specified by the Division.
- b. Pursuant to 401 KAR 52:040, Section 19, the permittee shall certify compliance with the terms and conditions contained in this permit by January 30th of each year, by completing and returning a Compliance Certification Form (DEP 7007CC) (or an approved alternative) to the Regional Office listed on the front of this permit in accordance with the following requirements:
  - 1) Identification of the term or condition;

## SECTION C - GENERAL CONDITIONS (CONTINUED)

### 6. Compliance (Continued)

- b.
  - 2) Compliance status of each term or condition of the permit;
  - 3) Whether compliance was continuous or intermittent;
  - 4) The method used for determining the compliance status for the source, currently and over the reporting period; and
  - 5) For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.
  - 6) The certification shall be postmarked by January 30th of each year. Annual compliance certifications should be mailed to the following addresses:

Division for Air Quality	Division for Air Quality
Paducah Regional Office	Central Files
130 Eagle Nest Drive	803 Schenkel Lane
Paducah, KY 42003-0823	Frankfort, KY 40601
- c. Permit Shield - A permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of permit issuance. Compliance with the conditions of this permit shall be considered compliance with all applicable requirements for:
  - 1) Applicable requirements included and specifically identified in the permit; or
  - 2) Non-applicable requirements expressly identified in this permit.

**SECTION C - GENERAL CONDITIONS (CONTINUED)****7. New Construction Requirements:**

- a. Pursuant to 401 KAR 52:040, Section 12(3), unless construction is commenced on or before 18 months after the date of issue of this permit, or if construction is commenced and then stopped for any consecutive period of 18 months or more, or is not completed within a reasonable timeframe then the construction and operating authority granted by this permit for those affected facilities for which construction was not completed shall immediately become invalid. Upon a written request, the cabinet may extend these time periods if the source shows good cause.
- b. Pursuant to 401 KAR 52:040, Section 12(4)(a) and 401 KAR 59:005, General provisions, Section 3(1), within 30 days following construction commencement, within 15 days following start-up and attainment of maximum production rate, or within 15 days following the issuance date of this permit, whichever is later, the owner and/or operator of the affected facilities specified on this permit shall furnish to the Division's Paducah Regional Office, with a copy to the Division's Frankfort Central Office, the following:
  - 1) Date when construction commenced, (See General Condition G.1).
  - 2) Start-up date of each of the affected facilities listed on this permit.
  - 3) Date when maximum production rate was achieved, (See General Condition G.3.b).
  - 4) Summary reports, as referenced in Section C, C.3., of any monitoring required by this permit, for emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation.
  - 5) The annual compliance certification, as referenced in Section C, F.2., for an emissions unit that was still under construction or which had not commenced operation at the end of the 12-month period covered by the compliance certification, shall indicate that the unit was under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.
- c.
  - 1) Pursuant to State Regulation 401 KAR 59:005, General provisions, Section 2(1), this permit shall allow time for the initial start-up, operation, and compliance demonstration of the affected facilities listed herein. However, within 60 days after achieving the maximum production rate at which the affected facilities will be operated, but not later than 180 days after initial start-up of such facilities, the owner or operator shall demonstrate compliance to a duly authorized representative of the Division.
  - 2) Pursuant to State Regulation 401 KAR 59:005, General provisions, Section 3(1)(b), unless notification and justification to the contrary are received by this Division, the date of achieving the maximum production rate at which the affected facilities will be operated shall be deemed to be 30 days after initial start-up.
- d. Operation of the affected facilities authorized by this permit shall not commence until compliance with applicable standards specified herein has been demonstrated in accordance with the requirements of 401 KAR 52:040, Section 12(4)(b). Until compliance is demonstrated, the source may only operate for the purpose of demonstrating compliance.

## SECTION D - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to Regulation 401 KAR 52:040, Section 6. While these activities are designated as insignificant the permittee must comply with the applicable regulation and some minimal level of periodic monitoring may be necessary.

### Description

### Generally Applicable Regulation

Indirect Heat Exchanger (Cleaver-Brooks)  
Natural Gas Fired (1.02 mmBTU/hour)

401 KAR 59:015